



20/06

| | | | |
|---|----------------------|------------------------|-------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10/772,586 | |
| | Filing Date | February 6, 2004 | |
| | First Named Inventor | Shunpei YAMAZAKI | |
| | Group Art Unit | 2813 | |
| | Examiner Name | Thanh T. NGUYEN | |
| Total Number of Pages in This Submission | | Attorney Docket Number | 740756-2707 |

| ENCLOSURES (check all that apply) | | |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Election/Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input type="checkbox"/> A self-addressed prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO Form 1449 w/17 references |
| Remarks | | <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number. |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|---|
| Firm or Individual name | Jeffrey L. Costellia (Reg. No. 35,483) Nixon Peabody LLP 401 9 th Street, N.W. Suite 900 Washington, D.C. 20004-2178 |
| Signature | |
| Date | March 6, 2006 |

| CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)] | |
|--|-----------------------|
| I hereby certify that this correspondence is being: | |
| <input type="checkbox"/> deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop _____, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 | |
| <input type="checkbox"/> transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) _____. | |
| Date | Signature |
| | Typed or printed name |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
Shunpei YAMAZAKI) Group Art Unit: 2813
Serial No. 10/772,586) Examiner: Thanh T. NGUYEN
Filed: February 6, 2004) Confirmation No.: 2329
For: METHOD OF MANUFACTURING) Dated: March 6, 2006
SEMICONDUCTOR DEVICE AND
DISPLAY DEVICE

INFORMATION DISCLOSURE STATEMENT

United States Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initial a copy of this form be returned to the undersigned.

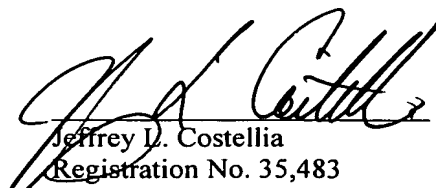
The Commissioner is hereby authorized to charge the fees, in the amount of \$180.00, in connection with this filing, which are required now, in compliance with the provisions of 37 C.F.R. §1.97(c), or credit any overpayment to Deposit Account No. 19-2380.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

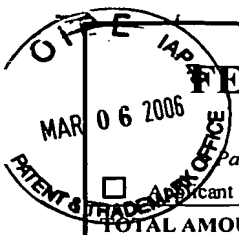
03/08/2006 HAL111 00000012 192380 10772586
01 FC:1806 180.00 DA

Respectfully submitted,

By:


Jeffrey L. Costellia
Registration No. 35,483

NIXON PEABODY LLP
Suite 900
401 9th Street, N.W.
Washington, DC 20004-2128
Telephone: (202) 585-8000



FEE TRANSMITTAL FOR FY 2005

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$180.00)

Complete if Known

Application Number 10/772,586
Filing Date February 6, 2004
First Named Inventor Shunpei YAMAZAKI
Examiner Name Thanh T. NGUYEN
Art Unit 2813
Attorney Docket No. 740756-2707

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 19-2380

Deposit Account Name Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|----------|
| 1001 | 300 | 2001 | 150 | Utility filing fee | |
| 1002 | 200 | 2002 | 100 | Design filing fee | |
| 1003 | 200 | 2003 | 100 | Plant filing fee | |
| 1004 | 300 | 2004 | 150 | Reissue filing fee | |
| 1005 | 200 | 2005 | 100 | Provisional filing fee | |

SUBTOTAL (1) (\$ 0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims -20** = X = 0

Independent Claims -3** = X = 0

Multiple Dependent X = 0

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description |
|-----------------------|-----------------------|-----------------------|-----------------------|--|
| 1202 | 50 | 2202 | 25 | Claims in excess of 20 |
| 1201 | 200 | 2201 | 100 | Independent claims in excess of 3 |
| 1203 | 360 | 2203 | 180 | Multiple dependent claim, if not paid |
| 1204 | 200 | 2204 | 100 | ** Reissue independent claims over original patent |
| 1205 | 50 | 2205 | 25 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description |
|-----------------------|-----------------------|-----------------------|-----------------------|--|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet |
| 1053 | 130 | 1053 | 130 | Non-English specification |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |
| 1251 | 120 | 2251 | 60 | Extension for reply within first month |
| 1252 | 450 | 2252 | 225 | Extension for reply within second month |
| 1253 | 1,020 | 2253 | 510 | Extension for reply within third month |
| 1254 | 1,590 | 2254 | 795 | Extension for reply within fourth month |
| 1255 | 2,160 | 2255 | 1,080 | Extension for reply within fifth month |
| 1401 | 500 | 2401 | 250 | Notice of Appeal |
| 1402 | 500 | 2402 | 250 | Filing a brief in support of an appeal |
| 1403 | 1,000 | 2403 | 500 | Request for oral hearing |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |
| 1452 | 500 | 2452 | 250 | Petition to revive - unavoidable |
| 1453 | 1,500 | 2453 | 750 | Petition to revive - unintentional |
| 1501 | 1,400 | 2501 | 700 | Utility issue fee (or reissue) |
| 1502 | 800 | 2502 | 400 | Design issue fee |
| 1503 | 1,100 | 2503 | 550 | Plant issue fee |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |
| 1809 | 790 | 2809 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) |
| 1810 | 790 | 2810 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) |
| 1801 | 790 | 2801 | 395 | Request for Continued Examination (RCE) |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$180.00)

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

- ☐ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop _____
Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450
- ☐ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) _____

Date

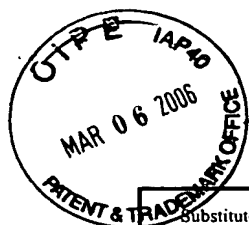
Signature

Typed or printed name

SUBMITTED BY

| Name (Print/Type) | Jeffrey L. Costello | Registration No. (Attorney/Agent) | 35,483 | Telephone | (202) 585-8000 |
|-------------------|---------------------|-----------------------------------|--------|-----------|----------------|
| Signature | | | | Date | March 6, 2006 |

SEND TO: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



| | | | | | |
|--|---|----|---|--------------------------|------------------|
| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Application Number | 10/772,586 |
| | | | | Filing Date | February 6, 2004 |
| | | | | First Named Inventor | Shunpei YAMAZAKI |
| | | | | Art Unit | 2813 |
| | | | | Examiner Name | Thank T. NGUYEN |
| Sheet | 1 | of | 1 | Attorney Docket Number | 740756-2707 |

| U.S. PATENT DOCUMENTS | | | | | |
|--------------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials [*] | Cite No. ¹ | U.S. Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
| | | US-5,429,994 | 07/04/1995 | Ishikawa | |
| | | US-5,549,780 | 08/27/1996 | Koinuma et al. | |
| | | US-6,909,477 B1 | 06/21/2005 | Yi et al. | |
| | | US-2002/0109143 A1 | 08/15/2002 | Inoue | |
| | | US-2004/0224433 A1 | 11/11/2004 | Yamazaki et al. | |
| | | US-2004/0253896 A1 | 12/16/2004 | Yamazaki | |
| | | US-2005/0011752 A1 | 01/20/2005 | Yamazaki et al. | |
| | | US-2005/0064091 A1 | 03/24/2005 | Yamazaki | |
| | | US-2005/0090029 A1 | 04/28/2005 | Yamazaki et al. | |
| | | US-2005/0167404 A1 | 08/04/2005 | Yamazaki | |
| | | US-2005/0013927 A1 | 01/20/2005 | Yamazaki | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials [*] | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁴ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | JP-2001-179167 | 07/03/2001 | Tanabe | | FULL |
| | | JP-2001-068827 | 03/16/2001 | Fujita et al. | | FULL |
| | | JP-11-340129 | 12/10/1999 | Shunichi et al. | | FULL |
| | | JP-2002-237480 | 08/23/2002 | Shimonishi et al. | | FULL |
| | | JP-2002-237463 | 08/23/2002 | Shimonishi et al. | | FULL |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|---|----------------|
| Examiner Initials [*] | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | S. WOLF et al. "Silicon Processing for the VLSI ERA" Vol. 1 (Process Technology), pp. 198, 408, 427, 539, 542, 535; Jan. 1, 1986. | |
| | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.